

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>18062.1-D2788-klp-54</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/EP2004/013159</b>	International filing date (day/month/year) <b>19/11/2004</b>	(Earliest) Priority Date (day/month/year) <b>21/11/2003</b>
Applicant <b>T-MOBILE DEUTSCHLAND GMBH</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

## 4. With regard to the title,

- ☒ the text is approved as submitted by the applicant.  
☐ the text has been established by this Authority to read as follows:

Vorlage	Ablage	182788
Haupttermin		
Eing.: 11. MRZ 2005		
PA, Dr. Peter Riebling		
Searb.	Vorsetzt.	

## 5. With regard to the abstract,

- ☒ the text is approved as submitted by the applicant.  
☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

## 6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. 1  
☒ as suggested by the applicant.  
☐ as selected by this Authority, because the applicant failed to suggest a figure.  
☐ as selected by this Authority, because this figure better characterizes the invention.
- b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP2004/013159

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04Q7/38

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	"Digital cellular telecommunications system (Phase 2+); Voice Group Call Service (VGCS); Stage 2 (3GPP TS 43.068 version 5.2.0 Release 5); ETSI TS 143 068" ETSI STANDARDS, EUROPEAN TELECOMMUNICATIONS STANDARDS INSTITUTE, SOPHIA-ANTIPO, FR, vol. 3-CN1, no. V520, December 2002 (2002-12), XP014010506 ISSN: 0000-0001 paragraphs 4.2, 5.1 and 11.3.8 figure 1	1-11
Y	US 2003/100326 A1 (GRUBE GARY W ET AL) 29 May 2003 (2003-05-29) paragraph '0031! - paragraph '0033! ----- -/-	1-11

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

24 February 2005

Date of mailing of the international search report

10/03/2005

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No.  
PCT/EP2004/013159

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 385 461 B1 (RAITH ALEX KRISTER) 7 May 2002 (2002-05-07) column 6, line 14 - line 62 column 10, line 60 - column 11, line 6 figure 3 -----	1-11
A	US 5 506 837 A (SOELLNER ET AL) 9 April 1996 (1996-04-09) column 5, line 14 - column 7, line 9 figures 3,4 -----	1-11

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013159

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003100326	A1	29-05-2003	AU 2002352738 A1	10-06-2003
			WO 03047277 A2	05-06-2003
US 6385461	B1	07-05-2002	AU 1625800 A	05-06-2000
			CN 1344476 T	10-04-2002
			EP 1131960 A2	12-09-2001
			NO 20012392 A	15-05-2001
			WO 0030375 A2	25-05-2000
US 5506837	A	09-04-1996	DE 4304095 A1	18-08-1994
			DE 59410394 D1	23-12-2004
			EP 0611006 A1	17-08-1994
			JP 3472332 B2	02-12-2003
			JP 6350519 A	22-12-1994